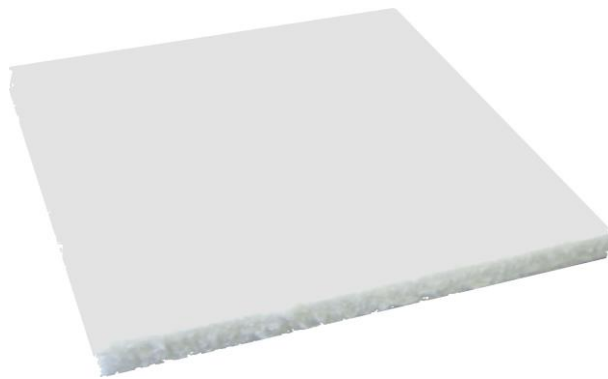


## TECHNICAL SPECIFICATION

# SOLCERAMIC SMD



## General

SOLCERAMIC SMD offers the same benefits of the SOLCERAMIC with improved handle ability and enhanced thermal properties. The product is made of low bio-persistence long ceramic fibres bonded with a low percentage of organic binder. It has excellent thermal insulation characteristics and exceptional handling properties. The product is very flexible and resistance to tearing, and particularly suited to all applications requiring further processing (die-cutting, laminated,...).

Note- The organic binder burns out clearly on the first firing at approximately 300°C with ignition starting at 180°C.

## Delivery forms

Standard Colours	White
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Shape	Thickness (mm)	Wide (mm)	Length (mm)
Rolls	Ask us	1000	According to thickness

\*Ask us for other supply forms.

## Applications

Cushion/ Padding			Insulation	Fire barrier & sound insulation	Thermal insulation
Packaging/ protection			Soundproofing		
Medic/ Orthopaedics			Tightness join		
Leisure			Filtration		

**TECHNICAL SPECIFICATION****SOLCERAMIC SMD**

CHARACTERISTIC	SPECIFICATION	UNIT	METHOD
Density	230	Kg/m <sup>3</sup>	
Tensile Strength	> 0,65	MPa	EN 1094-1
Thermal conductivity			
At 200°C	0,05	W/m°K	ASTM C-201 (EN 1094-1)
At 400°C	0,07	W/m°K	
At 600°C	0,11	W/m°K	
At 800°C	0,16	W/m°K	
At 1000°C	0,23	W/m°K	
Classification temperature	1200	°C	EN 1094-1
High temperature performance			
Loss on Ignition	12	%	
Liner Shrinkage at 1000°C	<2	%	

**Benefits**

Good resistance to tearing / Flexible and resilient / Low shot content / Resistant to thermal shock /  
 No affected by the presence of molten aluminium  
 Exonerated from any carcinogenic classification under nota Q of directive 97/69 EC  
 Exonerated from any use restriction under annexe V number 7.1 of the German hazardous substances regulation

*This information is presented to the best of our knowledge; you should contact us in order to be sure that is the last version of this technical data sheet. Data represents typical values and should be considered as a guideline but cannot be regarded as an engagement from our side.*